

Title (en)
Programming escape from an iconic system.

Title (de)
Programmausbruch aus einem Ikonssystem.

Title (fr)
Sortie de programmes d'un système d'icônes.

Publication
EP 0443768 A2 19910828 (EN)

Application
EP 91301149 A 19910213

Priority
US 48347890 A 19900222

Abstract (en)
Disclosed is an iconic programming system or process (122) which provides for an "escape" -- that is, transfer of program control -- either to a non-iconic program within the same process as the iconic programming system (122) or to a non-iconic program located in a separate process (124) within the same operating system environment. When transferring control to a non-iconic program within the same process (122), the iconic programming system first loads the non-iconic program (402) into its own memory space, and it may allow the user to edit the non-iconic program (404). After loading the non-iconic program (402), the iconic programming system creates an input to the non-iconic program for each of the program's parameters (406). The iconic programming system then starts the non-iconic program (411), and converts any input data available for each of the input parameters into a data type and size acceptable to the non-iconic program (410). It then passes the parameter data to the non-iconic program, and allows the non-iconic program to continue execution. When data is received from the non-iconic program (416), the iconic programming system converts this data into a data type and size acceptable to the next icon in the iconic programming system network. It then passes the data to the next icon in the network (418) and continues processing. If the escape icon is for a program in a different process within the same operating system environment, the iconic programming system first creates a child process (804) and passes a command to the child process that identifies the non-iconic program for execution (808). The iconic programming system then converts input and output data in the manner described above (810). At the user's option, the iconic programming system will wait until the non-iconic program is complete (814), or it will process program data as that data is produced by the non-iconic program and allow the non-iconic program to remain active. <IMAGE>

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IPC 8 full level
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Cited by
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